

Appl. No. : 09/829,631
Filed : April 10, 2001

AMENDMENTS TO THE CLAIMS

1-16 **Previously canceled.**

17. **(Currently amended)** An isolated nucleotide sequence encoding a serotonin receptor protein 5-HT₆ St-B17, said nucleotide sequence being selected from:

- (a) a nucleotide sequence comprising SEQ ID NO:7;
- (b) a nucleotide sequence comprising SEQ ID NO:12;
- (c) a nucleotide sequence from a human genomic library hybridizing under moderate stringency conditions at 6XSSC and 55°C, pH7, to a 1192 bp XmaI-BstXI and ~~or~~ a 655 bp BamHI-EagI fragment from SEQ ID NO:7; or
- (d) a nucleotide sequence encoding a protein having the amino acid sequence shown by SEQ ID NO:8 or SEQ ID NO:13.

18. **(Previously presented)** The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (a).

19. **(Previously presented)** The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (b).

20. **(Previously presented)** The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (c).

21. **(Previously presented)** The nucleotide sequence according to Claim 17, wherein said nucleotide sequence is selected from (d).

22. **(Previously presented)** A recombinant construct comprising the nucleotide sequence according to Claim 17, operably linked to a heterologous promoter.

23. **(Previously presented)** The recombinant construct according to Claim 22, which is an expression vector.

24. **(Previously presented)** The recombinant construct according to Claim 23, which is a eukaryotic expression vector.

25. **(Currently amended)** A mammalian cell line comprising the nucleotide sequence of Claim 17, said mammalian cell line expressing 5-HT₆ St-B17 serotonin receptor.

26. **(Previously presented)** The cell line of Claim 25, wherein said cells are derived from a human.

27. **(Previously presented)** The cell line of Claim 26, wherein said cells are HEK 293.

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28. **(Previously presented)** An isolated protein encoded by the nucleotide sequence of any of Claims 17-21.